

# **MSCI ACWI IMI New Energy Select Index**

November 2022

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## 1 Introduction

The MSCI ACWI IMI New Energy Select Index (the 'Index') aims to represent the performance of a set of companies that are associated with the development of new products and services focused on one or more of the following components, based on the index methodology criteria described below.

- Batteries
- Smart Grids
- Alternative Energy
- Energy Efficiency

## 2 MSCI ESG Research

MSCI ESG Research provides in-depth research, ratings and analysis of the environmental, social and governance-related business practices of thousands of companies worldwide. It consists of an integrated suite of tools and products to efficiently manage research, analysis and compliance tasks across the spectrum of ESG factors.

The Index uses company ratings and research provided by MSCI ESG Research. In particular, this index uses MSCI Sustainable Impact Metrics. For details on MSCI ESG Research’s full suite of ESG products, please refer to: <https://www.msci.com/esg-investing>.

### 2.1 MSCI Sustainable Impact Metrics

#### MSCI Sustainable Impact Metrics Taxonomy

Pillar	Themes	Categories
Environmental Impact	Climate Change	<ol style="list-style-type: none"> <li>1. Alternative energy</li> <li>2. Energy efficiency</li> <li>3. Green building</li> </ol>
	Natural Capital	<ol style="list-style-type: none"> <li>4. Sustainable water</li> <li>5. Pollution prevention and control</li> <li>6. Sustainable agriculture</li> </ol>
Social Impact	Basic needs	<ol style="list-style-type: none"> <li>7. Nutrition</li> <li>8. Major disease treatments</li> <li>9. Sanitation</li> <li>10. Affordable real estate</li> </ol>
	Empowerment	<ol style="list-style-type: none"> <li>11. SME finance</li> <li>12. Education</li> <li>13. Connectivity - Digital divide</li> </ol>

Under each of the actionable social and environmental impact themes, MSCI ESG Research has identified specific categories of products and services that it has determined companies can offer as potential solutions to environmental and social challenges.

More detailed taxonomy for each category can be found in Section 2.4 of the MSCI ACWI Sustainable Impact Index Methodology available at <https://www.msci.com/index-methodology>.

### 3 Constructing the Index

The Index is constructed by selecting stocks from the MSCI ACWI Investable Market Index (IMI) (the 'Parent Index') based on rules explained in the following sections.

#### 3.1 Determining the components of the Index

The Index is constructed by combining stocks from the following components using the rules described below:

- **Batteries** Component: This theme aims to measure the performance of a set of companies that are associated with development of new products and services focused on the battery value chain. It aims to select companies which have been assessed to have high exposure to business activities such as –
  - Electro-chemical energy storage technologies
  - Mining companies that produce metals used to manufacture batteries
  - Electric vehicles (“EVs”), EV components and materials
- **Smart Grids** Component: This theme aims to measure the performance of a set of companies that are associated with the development of new products and services focused on enabling two-way flow of data and electric power. It aims to select companies which have been assessed to have high exposure to business activities such as –
  - Grid and energy management, including microgrids
  - Smart metering
- **Alternative Energy** Component
- **Energy Efficiency** Component

### 3.2 Determining the Selected Universe of the Index

In order to construct the Selected Universe, a combined relevance score for each security in the Parent Index is calculated as follows:

Combined relevance score = minimum (100%, {A + B + C + D}).

Value	Definition
A	Relevance score from the Batteries component if greater than 50%, 0 otherwise
B	Relevance score from the Smart Grids component if greater than 50%, 0 otherwise
C	Revenue percentage from Clean tech Alternative Energy component
D (Nov 2020 SAIR onwards)	Revenue percentage from Clean tech Energy Efficiency <i>less</i> sum of revenue percentages from its following sub-categories: <ul style="list-style-type: none"> <li>• Clean Transport Infrastructure Solutions</li> <li>• Hybrid vehicles</li> <li>• IT Optimization Services and Infrastructure Solutions</li> <li>• LED/CFL Lighting Solutions</li> <li>• Zero Emission Vehicles</li> <li>• Insulation Solutions</li> </ul>
D (Prior to Nov 2020 SAIR)	Revenue percentage from Clean tech Energy Efficiency component

Please refer to Appendix 1 for details of construction and Relevance Score calculation of the Batteries and Smart Grids components.

Please refer to [www.msci.com/index-methodology](http://www.msci.com/index-methodology) for the MSCI ACWI Sustainable Impact Index Methodology for details of the calculation of the Alternative Energy component and the Energy Efficiency component.

The Selected Universe of the Index is obtained by selecting all securities from the Parent Index whose combined relevance score is greater than or equal to 25%.

Further filtering is applied as below.

### 3.2.1 GICS®<sup>1</sup> sector and sub industry filtering

Securities mapped to the following GICS sectors and sub-industries are further excluded from the Selected Universe.

S. No.	GICS Sectors	GICS Subindustries
1	Energy	All
2	Consumer Staples	All
3	Consumer Discretionary	All
4	Healthcare	All
5	Financials	All
6	Real Estate	All
7	Communication Services	All
8	Utilities	Gas Utilities Water Utilities
9	Information technology	Internet Software & Services
		IT Consulting & Other Services
		Data Processing & Outsourced Services
		Internet Services & Infrastructure
		Application Software
		Systems Software
		Home Entertainment Software
		Communications Equipment
10	Materials	Fertilizers & Agricultural Chemicals
		Industrial Gases
		Construction Materials
		Metal & Glass Containers
		Paper Packaging
		Forest Products
11	Industrials	Paper Products
		Aerospace & Defense

<sup>1</sup> GICS, the Global Industry Classification Standard jointly developed by MSCI and S&P Global.



S. No.	GICS Sectors	GICS Subindustries
		Air Freight & Logistics
		Airlines
		Marine
		Railroads
		Trucking
		Airport Services
		Highways & Railtracks
		Marine Ports & Services
		Building Products
		Construction Machinery & Heavy Trucks
		Agricultural & Farm Machinery
		Industrial Machinery
		Trading Companies & Distributors
		Human Resource & Employment Services
		Research & Consulting Services
		Commercial Printing
		Office Services & Supplies
		Diversified Support Services
		Security & Alarm Services

### 3.3 Weighting Scheme

Stocks included in the Index are weighted by the product of their combined relevance score and their float adjusted market capitalization. The weights are then normalized to 100%. Additionally, constituent weights are capped at the issuer level to mitigate concentration risk in the component. The issuer weight in the component is capped at 5% at each rebalance.

## **4 Maintaining the Index**

### **4.1 Semi-Annual Index Review**

The Index is reviewed on a Semi-Annual basis in May and November and the changes are implemented at the end of May and November. In general, the pro forma index is announced nine business days before the effective date.

During the Semi-Annual Index Review, the Selected Universe is updated.

In general, MSCI uses Relevance Score data as of two business days prior to the rebalancing date for the Semi-Annual Index Review.

In general, MSCI uses MSCI ESG Research data (including MSCI ESG Ratings, MSCI Climate Change Metrics, MSCI ESG Controversies Scores and MSCI Business Involvement Screening Research) as of the end of the month preceding the Index Reviews. For some securities, such data may not be published by MSCI ESG Research by the end of the month preceding the Index Review. For such securities, MSCI will use ESG data published after the end of month, when available. This approach aims to capture timely updates to ESG Ratings of the constituents and coincides with the rebalancing of the relevant MSCI Parent Indexes.

### **4.2 Ongoing event-related maintenance**

The general treatment of corporate events in the index aims to minimize turnover outside of Index Reviews. The methodology aims to appropriately represent an investor's participation in an event based on relevant deal terms and pre-event weighting of the index constituents that are involved. Further, changes in index market capitalization that occur as a result of corporate event implementation will be offset by a corresponding change in the Variable Weighting Factor (VWF) of the constituent.

The following section briefly describes the treatment of common corporate events within the Index.

No new securities will be added (except where noted below) to the index between Index Reviews. Parent Index deletions will be reflected simultaneously.

<b>EVENT TYPE</b>	<b>EVENT DETAILS</b>
<b>New additions to the Parent Index</b>	A new security added to the Parent Index (such as IPO and other early inclusions) will not be added to the Index.
<b>Spin-Offs</b>	All securities created as a result of the spin-off of an existing Index constituent will be added to the Index at the time of event implementation. Reevaluation for continued inclusion in the Index will occur at the subsequent Index Review.
<b>Merger/Acquisition</b>	For Mergers and Acquisitions, the acquirer’s post event weight will account for the proportionate amount of shares involved in deal consideration, while cash proceeds will be invested across the Index.  If an existing Index constituent is acquired by a non-Index constituent, the existing constituent will be deleted from the Index and the acquiring non-constituent will not be added to the Index.
<b>Changes in Security Characteristics</b>	A security will continue to be an Index constituent if there are changes in characteristics (country, sector, size segment, etc.) Reevaluation for continued inclusion in the Index will occur at the subsequent Index Review.

Further detail and illustration regarding specific treatment of corporate events relevant to this Index can be found in the MSCI Corporate Events Methodology.

The MSCI Corporate Events methodology book is available at:  
<https://www.msci.com/index-methodology>.

## Appendix 1: Thematic Framework for constructing the Batteries and Smart Grids Components

### 5.1 Selected Universe for each thematic component

Stocks from the Parent Index that have a Relevance Score of 25% or more are included in the Selected Universe of that thematic component. For details of calculation of Relevance Scores, please refer to the MSCI Thematic Relevance Score Methodology document<sup>2</sup>. The business activities in scope of the theme are as defined in section 3.1.

Further filtering is applied to the Selected Universe as detailed below.

#### 5.1.1 GICS® sector and sub industry filtering

Stocks in the corresponding component mapped to the following GICS sub industries are excluded from the Selected Universe.

##### Smart Grids Component

No.	GICS Sector	GICS Sub Industries
1	Consumer Staples	<ul style="list-style-type: none"> <li>All Sub Industries</li> </ul>
2	Healthcare	<ul style="list-style-type: none"> <li>All Sub Industries</li> </ul>
3	Consumer Discretionary	<ul style="list-style-type: none"> <li>All Sub Industries</li> </ul>
4	Industrials	<ul style="list-style-type: none"> <li>Construction Machinery &amp; Heavy Trucks</li> <li>Commercial Printing</li> <li>Office Services &amp; Supplies</li> </ul>
5	Information Technology	<ul style="list-style-type: none"> <li>IT Consulting &amp; Other Services</li> <li>Data Processing &amp; Outsourced Services</li> </ul>
6	Materials	<ul style="list-style-type: none"> <li>Construction Materials</li> </ul>

<sup>2</sup> Please see

[https://www.msci.com/eqb/methodology/meth\\_docs/Relevance\\_Score\\_Calculation\\_Methodology.pdf](https://www.msci.com/eqb/methodology/meth_docs/Relevance_Score_Calculation_Methodology.pdf)

### Batteries Component

No.	GICS Sector	GICS Sub Industries
1	Energy	<ul style="list-style-type: none"> <li>Oil &amp; Gas Equipment &amp; Services</li> <li>Oil &amp; Gas Refining &amp; Marketing</li> </ul>
2	Industrials	<ul style="list-style-type: none"> <li>Marine</li> <li>Marine Ports &amp; Services</li> <li>Heavy Electrical Equipment</li> </ul>
3	Information Technology	<ul style="list-style-type: none"> <li>Application Software</li> <li>Semiconductor Equipment</li> </ul>
4	Communication Services	<ul style="list-style-type: none"> <li>Advertising</li> <li>Broadcasting</li> <li>Cable &amp; Satellite</li> <li>Publishing</li> <li>Movies &amp; Entertainment</li> <li>Interactive Home Entertainment</li> <li>Interactive Media &amp; Services</li> </ul>
5	Utilities	<ul style="list-style-type: none"> <li>Independent Power Producers &amp; Energy Traders</li> </ul>

## 5.2 Weighting scheme

Stocks included in the component are weighted by the product of Relevance Score and their float adjusted market capitalization. The weights are then normalized to 100%.

**The following sections have been modified effective December 1, 2022:**

- Appendix 1 has been updated to reference the MSCI Thematic Relevance Score Methodology
- Section 4 has been updated to reflect the data cutoff date for Relevance Scores

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